

**IN THE ABSTRACT**

Please amend the Abstract as follows:

The invention relates to a A plate heat exchanger for exchanging heat between a first air stream ~~(11, 12)~~ and a second air stream ~~(13, 14)~~ comprising includes a plurality of plates ~~(1)~~ limiting first and second exchange chambers which are serially arranged in a transversal direction with respect to said the plates ~~(1)~~. The A first air stream of outside air passes through one part of the first exchange chambers ~~(11, 12)~~, the a second air stream originating from ventilated rooms passes through the other second exchange chambers ~~(13, 14)~~, preferably in an opposite direction. The second air stream consists of the air ~~(13)~~ removed from ventilated premises. The heat exchanger further includes an ionization device for ionizing particles entrained in the first air stream so that the particles deposit at conductive plates of the first exchange spaces, a water distribution system for periodically discharging water into the first exchange spaces for cleaning the plates of the heat exchanger from deposited particles, and a water collection device for discharging collected water.